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HFL3117D

HFL3117Z

EN User Manual

PHILIPS

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1 Get started

TV tour

High Definition TV

If your TV is equipped with a High Definition (HD) display, you can watch HD video in the following ways and more:

- a Blu-ray disc player, connected with an HDMI cable, playing a Blu-ray disc
- an upscaling DVD player, connected with an HDMI cable, playing a DVD disc
- an over-the-air HD broadcaster (DVB-T MPEG4)
- a digital HD receiver, connected with an HDMI cable, playing HD content from a cable or satellite operator
- an HD game console, connected with an HDMI cable, playing an HD game

Media playback

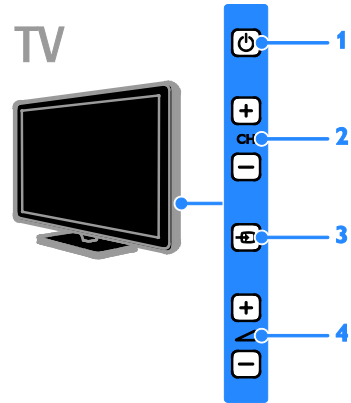
If you connect your TV to a USB storage device, you can enjoy your music and pictures on a wide screen TV with excellent sound.

Programme guides

You can find out what's on and what's coming up with the now and next EPG (Electronic Programme guide) or eight day EPG.

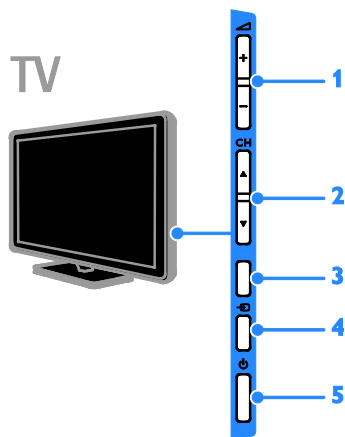
TV controls

Rear controls (For 32 and 42 inch TVs only)



1. (Standby): Switch the TV on or to standby.
2. CH +/- (Channel +/-): Switch to the next or previous channel.
3. (Source): Watch a connected device.
4. +/- (Volume +/-): Increase or decrease volume.

Rear controls (For 22 and 26 inch TVs only)

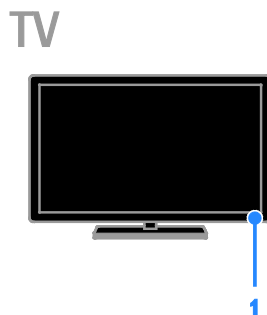


1. +/- (Volume +/-): Increase or decrease volume.
2. CH (Channel): Switch to the next or previous channel.
3. No function.
4. (Source): Watch a connected device.
5. (Standby): Switch the TV on or to standby.

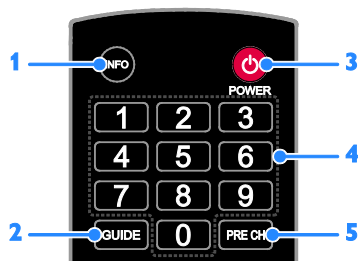
Sensors

1. Remote control sensor
Point the remote control at the sensor.

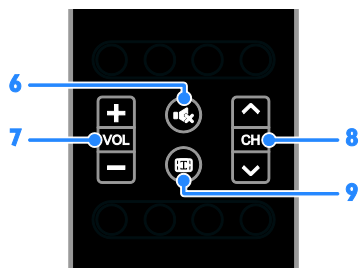
Make sure that the line-of-sight between the remote control and the TV is not blocked by furniture or other objects.



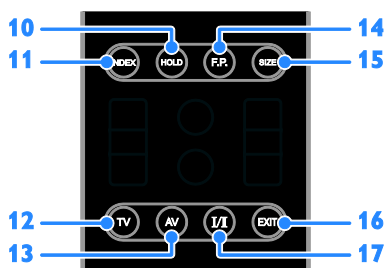
Remote control



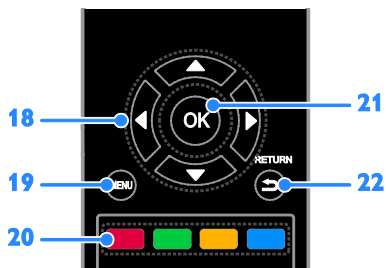
1. INFO: Display information about current activity.
2. GUIDE: View programme guide.
3. (POWER): Switch the TV on or to standby.
4. 0-9 (Numeric buttons): Select TV channels or enter text.
5. PRE CH: Switch to previously viewed channel or input mode.



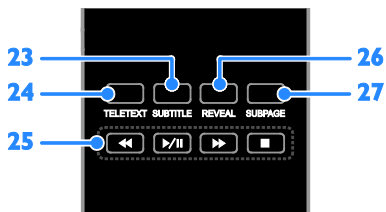
6. 🚫 (Mute): Mute or restore audio.
 7. VOL +/- (Volume): Adjust volume.
 8. CH ∇ / ▲ : Switch channels.
 9. 📺 (Format): Change the picture format to suit the video source.



10. HOLD: Hold the current text page.
 11. INDEX: Return to the text index page.
 12. TV: Watch TV.
 13. AV (Source): Watch a connected device.
 14. F.P. (Favourite Page): Open favourite page list in text mode.
 15. SIZE: Text size function key.
 16. EXIT: Return to the normal viewing screen.
 17. I/I (SAP): Select audio mode for watching TV.



18. ▲▼◀▶ (Navigation buttons): Navigate through menus and select items.
 19. MENU: Access the home menu.
 20. Colour buttons: Select tasks or options. The buttons function according to the services offered by the service provider.
 21. OK: Confirm an entry or selection.
 22. ↩️RETURN: Return to the previous menu page or exit from a TV function.



23. SUBTITLE: Switch on or off subtitles.
 24. TELETEXT: Enable or disable text.
 25. Play buttons: Control playback of media files.
 26. REVEAL: Reveal hidden information.
 27. SUBPAGE: Select the subpage.

Important information

Safety

Read and understand all instructions before you use your TV. If damage is caused by failure to follow the instructions, the warranty does not apply.

Risk of electric shock or fire!

- Never expose the TV to rain or water. Never place liquid containers, such as vases, near the TV. If liquids are spilt on or into the TV, disconnect the TV from the power outlet immediately. Contact Philips Consumer Care to have the TV checked before use.
- Never place the TV, remote control or batteries near naked flames or other heat sources, including direct sunlight. To prevent the spread of fire, keep candles or other flames away from the TV, remote control and batteries at all times.



- Never insert objects into the ventilation slots or other openings on the TV.
- Never expose the remote control or batteries to rain, water or excessive heat.
- Avoid force coming onto power plugs. Ensure that the power plug is fully inserted into the power socket. Loose power plugs can cause arcing or fire.
- When the TV is swivelled, ensure that no strain is exerted on the power cord. Strain on the power cord can loosen connections and cause arcing.

- To disconnect the TV from the mains power, the power plug of the TV must be disconnected. When disconnecting the power, always pull the power plug, never the cord. Ensure that you have full access to the power plug, power cord and outlet socket at all times.

Risk of damage to the TV!

- Two people are required to lift and carry a TV that weighs more than 25kg or 55lbs.
- When stand mounting the TV, use only the supplied stand. Secure the stand to the TV tightly. Place the TV on a flat, level surface that can support the combined weight of the TV and the stand.
- When wall mounting the TV, use only a wall mount that can support the weight of the TV. Secure the wall mount to a wall that can support the combined weight of the TV and wall mount. TP Vision Netherlands B.V. bears no responsibility for improper wall mounting that result in accident, injury or damage.
- If you need to store the TV, disassemble the stand from the TV. Never lay the TV on its back with the stand installed.
- Before you connect the TV to the power outlet, ensure that the power voltage matches the value printed on the back of the TV. Never connect the TV to the power outlet if the voltage is different.
- Parts of this product may be made of glass. Handle with care to avoid injury and damage.

Risk of injury to children!

Follow these precautions to prevent the TV from toppling over and causing injury to children:

- Never place the TV on a surface covered by a cloth or other material that can be pulled away.
- Ensure that no part of the TV hangs over the edge of the surface.
- Never place the TV on tall furniture, such as a bookcase, without anchoring both the furniture and TV to the wall or a suitable support.
- Educate children about the dangers of climbing on furniture to reach the TV.

Risk of swallowing batteries!

- The product/remote control may contain a coin-type battery, which can be swallowed. Keep the battery out of reach of children at all times!

Risk of overheating!

- Never install the TV in a confined space. Always leave a space of at least 4 inches or 10 cm around the TV for ventilation. Ensure that curtains or other objects never cover the ventilation slots on the TV.

Risk of injury, fire or power cord damage!

- Never place the TV or any objects on the power cord.
- Disconnect the TV from the socket and aerial before lightning storms. During lightning storms, never touch any part of the TV, power cord or aerial cable.

Risk of hearing damage!

- Avoid using earphones or headphones at high volumes or for prolonged periods of time.

Low temperatures

- If the TV is transported in temperatures below 5°C or 41°F, unpack the TV and wait until the TV temperature matches room temperature before connecting the TV to the power outlet.

Screen care

- Risk of damage to the TV screen! Never touch, push, rub or strike the screen with any object.
- Unplug the TV before cleaning.
- Clean the TV and frame with a soft damp cloth and wipe gently. Never use substances such as alcohol, chemicals or household cleaners on the TV.
- To avoid deformations and colour fading, wipe off water drops as soon as possible.
- Avoid stationary images as much as possible. Stationary images are images that remain onscreen for extended periods of time. Stationary images include onscreen menus, black bars, time displays, etc. If you must use stationary images, reduce screen contrast and brightness to avoid screen damage.

Notice

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The material in this manual is believed adequate for the intended use of the system. If the product, or its individual modules or procedures, are used for purposes other than those specified herein, confirmation of their validity and suitability must be obtained. TP Vision Netherlands B.V. warrants that the material itself does not infringe any United States patents. No further warranty is expressed or implied.

TP Vision Netherlands B.V. cannot be held responsible neither for any errors in the content of this document nor for any problems as a result of the content in this document. Errors reported to Philips will be adapted and published on the Philips support website as soon as possible.

Terms of warranty

- Risk of injury, damage to TV or void of warranty! Never attempt to repair the TV yourself.
- Use the TV and accessories only as intended by the manufacturer.

- The caution sign printed on the back of the TV indicates risk of electric shock. Never remove the TV cover. Always contact Philips Customer Care for service or repairs.



- Any operation expressly prohibited in this manual, or any adjustments and assembly procedures not recommended or authorised in this manual shall void the warranty.

Pixel characteristics

This LCD/LED product has a high number of colour pixels. Although it has effective pixels of 99.999% or more, black dots or bright points of light (red, green or blue) may appear constantly on the screen. This is a structural property of the display (within common industry standards) and is not a malfunction.

Compliance with EMF

TP Vision Netherlands B.V. manufactures and sells many products targeted at consumers which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals.

One of Philips' leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the Electro Magnetic Field (EMF) standards applicable at the time of producing the products.

Philips is committed to develop, produce and market products that cause no adverse health effects. TP Vision confirms that, as long as its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.

Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in standardisation for early integration in its products.

Trademarks and copyrights

Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.



Manufactured under licence from Dolby Laboratories. Dolby and the double D symbol are trademarks of Dolby Laboratories.



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Kensington and Micro Saver are registered US trademarks of ACCO World Corporation with issued registrations and pending applications in other countries throughout the world.

All other registered and unregistered trademarks are the property of their respective owners.

Sustainability

Energy efficiency

This TV is designed with energy-efficient features.

- **Screen off:** If you only want to listen to audio from the TV, you can switch off the TV display. Other functions continue to operate normally. While you watch TV, press MENU and select [Picture]. Then select [Screen Display] > [Off].

- **Energy saving picture settings:** You can apply a combination of energy saving picture settings. While you watch TV, press MENU and select [Setup]. Then select [Other Settings] > [Power Save] > [On].
- **Low standby power:** The advanced power circuitry reduces the power consumption of the TV to an extremely low level, without losing out on the constant standby functionality.
- **Auto switch off:** To conserve energy, set the TV to switch off automatically after a period of inactivity. While you watch TV, press MENU and select [Timer] > [Auto Standby]. Then select the period after which the TV switches off.

End of use

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.



When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.



Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environment and human health.



Help and support

Visit the Philips website

Visit the Philips support website at www.philips.com/support.

On the Philips support website, you can also:

- Find answers to Frequently Asked Questions (FAQ)
- Download a printable PDF version of this user manual
- Email us a specific question
- Chat online with Philips Consumer Care (available in certain countries only)

Search the TV forum

Your question may have already been answered by the Philips TV community of users.

Visit www.supportforum.philips.com.

Contact Philips

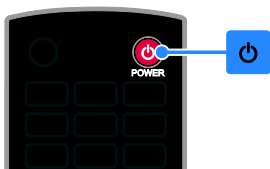
You can contact Philips Consumer Care in your country for support. The number is available in the leaflet accompanying this product or online at www.philips.com/support.

Before you contact Philips, write down the model and serial number of your TV. You can find this information on the back of your TV or on the TV packaging.


2 Use your TV

Watch TV

Switch TV on or off




Switch the TV on

- Connect the TV to the mains outlet and switch on the main power.
- If the TV is not switched on, press  on the remote control or on the rear panel of the TV.


Note: There is a short delay before the TV responds.

Tip: If you cannot find your remote control and want to switch the TV on from standby, press CH +/- or CH▲ ▼ on the TV.

Switch TV to standby

Press  on the remote control. The remote control sensor on the TV switches to red.

Switch off the TV

Press  on the TV. The TV switches off.

Note: Though your TV consumes very little energy when it is in standby or switched off, it does use some energy. If you are not going to use the TV for an extended period of time, disconnect the TV from the mains plug.

Automatic switch off


You can save energy with this TV's energy efficiency settings, which are enabled by default. If there is no user interaction (such as pressing a remote control button or a control on the rear panel) for four hours, the TV will automatically switch to standby.

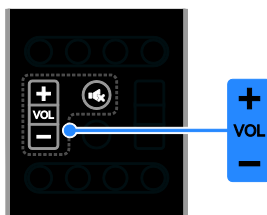
To disable automatic switch off

1. While you watch TV, press MENU on the remote control.
2. Select [Timer], then press OK.
3. Select [Auto Standby] > [Off].



Adjust TV volume

Increase or decrease the TV volume

- Press +/- on the remote control.
- Press  +/- on the TV.



Mute or restore the TV volume

- Press  on the remote control to mute the volume.
- Press  again to restore the volume.

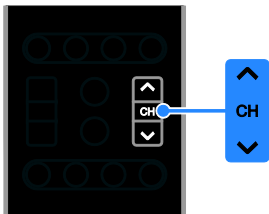
Adjust headphone volume

1. Connect a headphone to the TV.
2. Press MENU.
3. Select [Sound], then press OK.
4. Select [Headphone Volume], then press ◀ or ▶ to adjust the setting.

Switch TV channels

- Press CH +/- or CH ▼ /▲ on the remote control or TV.

- Press the Numeric buttons to enter a channel number.



Manage channel lists

After the channels are installed, you can:

- Rename channels
- Reorder channels
- Skip channels
- Listen to digital radio

Rename channels

When you select a channel, its name appears. You can change this channel name.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Channels] > [Channel Edit], then press OK.

The channel list is displayed.

4. Select the channel to rename, then press OK.

The channel information is displayed.

5. Select [Channel Name], then press the Numeric buttons to select each character.
6. Once complete, press OK to confirm.

Reorder channels

After the channels have been installed, you can reorder the channel list.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Channels] > [Channel Sort], then press OK.

The channel list is displayed.

4. Select two channels to swap the position, then press OK.

Skip channels

When you use the remote control to switch channels, you can set to skip one or more channels.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Channels] > [Channel Skip], then press OK.
The channel list is displayed.
4. Select channels to skip, then press OK.

Listen to digital radio

If digital radio channels are available, you can listen to them. They are installed automatically when you install the TV channels.

1. While you watch TV, press OK.
The channel list is displayed.
2. Select a radio channel, then press OK.

Watch connected devices

Before you can watch a connected device, connect the device to the TV. See [Connect your TV > Connect devices](#) (Page 28).

1. Press AV.
2. Select a connector in the list, then press OK.

Use smart settings

Your TV comes with predefined picture and sound settings. You can apply these settings or customise them.

Select your preferred picture setting

1. While you watch TV, press MENU.
2. Select [Picture], then press OK.
3. Select [Viewing Mode], then select an option:
 - [Dynamic]: Enhance picture contrast and sharpness.
 - [Normal]: Ideal settings for normal ambient room lighting conditions.
 - [Cinema]: Ideal settings for movies.
 - [User]: Customise and store your own picture settings.


- [Game]: Ideal settings for games (except for TV source).

Select your preferred sound setting

1. Press MENU.
2. Select [Sound], then press OK.
3. Select [Mode], then select an option:
 - [Music]: Ideal settings for listening to music.
 - [Speech]: Ideal settings for spoken audio, such as the news.

Change picture format

You can change the picture format to suit the video source. Each video source has limited picture formats available.

1. While you watch TV, press  (Format) repeatedly to toggle between different picture formats.

The available picture formats depend on the video source:

- [16:9]: Display the classic 16:9 format without distortion.
- [Just]: Adjust the picture format according to the input source.
- [4:3]: Display the standard 4:3 format without distortion.
- [Zoom 1]: Stretch 4:3 format to 14:9.
- [Zoom 2]: Stretch 4:3 format to 16:9.

View media

What you can do

You can play photos and music on your TV from a USB device connected to the TV.

View programme guide

You can view information about digital TV channels using programme guides provided by broadcasters. The availability of programme guides is dependent on your broadcaster. Information in programme guides includes:

- Channel schedules
- Synopsis of programmes

Customise broadcaster programme guide

You can customise the displayed information to:

- Remind you when programmes start.
- Display only preferred channels.

Note: Options may vary according to the programme information available from the broadcaster.

1. Press GUIDE.
2. Follow the onscreen instructions.

Play files from USB

If you have photos or music files on a USB storage device, you can play the files on TV.

Caution:

- TP Vision is not responsible if the USB hard drive is not supported, nor is it responsible for damage to or loss of data in the device.
- Do not overload the USB port. If you connect a USB storage device that consumes more than 500mA power, make sure that it is connected to its own external power supply.

View USB contents

1. Connect the USB device to the USB connector on the TV.
2. Press AV, select [USB], then press OK.
3. Select [Photo] or [Music], then press OK.
4. Select a file from the content browser, then press OK to start play.
5. (Optional) Press INFO to display file information.

Play options

Listen to music

1. Press the Navigation buttons to select a track, then press OK.
 - Press ◀ or ▶ to play the previous or next track.
 - Press the Blue button to access or exit the music options:
 - [Repeat One]: Repeat a track.
 - [Repeat All]: Repeat the playlist.
 - Press ↵RETURN to exit content browser.

View photos

1. Press the Navigation buttons to select a photo thumbnail, then press OK.
2. Press OK again to start the slideshow.
 - Press the Blue button to access or exit picture options:
 - [Repeat]: View slideshow repeatedly.
 - Press ↵RETURN to exit content browser.

3 Use more of your TV

Professional mode


What you can do

With professional mode, you can configure this TV for commercial use. This includes:

- Block guests from modifying the TV channels or settings.
- Limit the maximum volume.
- Control on-screen information.

Note: In professional mode, most of the mainstream features are replaced by similar features for commercial use.

Enter Professional mode

1. Press MENU on the remote control.
2. Press 3, 1, 9, 7, 5, 3, .

The professional setup menu is displayed.

Switch on

1. In professional setup menu, select [PBS settings], then press OK.
2. Select [PBS mode], then press ◀ or ▶ to change the setting.
 - [On]: Switch on professional mode Hospitality features are enabled.
 - [Off]: Switch off professional mode The TV operates as a normal consumer TV.

3. Press EXIT to store all professional mode settings and exit.

Volume setting

1. In professional setup menu, select [PBS settings], then press OK.
2. Select an option, then press ◀ or ▶ to adjust the setting.

- [Maximum volume]: Limit the maximum volume of the TV.
- [Switch on volume]: When switched on, the TV switches to a predefined volume.

3. Press EXIT to store all professional mode settings and exit.

Guest menu

Here are a few settings that hotel guests can change.

Picture settings

1. Press MENU, select [Picture], then press OK.
 - [Viewing Mode]: Select the preferred viewing mode.

Sound settings

1. Press MENU, select [Sound], then press OK.
 - [Mode]: Set the preferred audio mode.
 - [Audio Description]:
 - [Normal]: Set regular audio only.
 - [Hard of Hearing]: Set the mix of hearing impaired audio with regular audio.
 - [Visually Impaired]: Set the mix of visually impaired audio with regular audio.
 - [Volume]: Adjust the volume of visually impaired audio.

Timer settings

1. Press MENU, select [Timer], then press OK.
 - [Off Timer]: Set a preset time to switch the TV to standby automatically.

Language settings

1. Press MENU, select [Setup], then press OK.
 - [Language]: Select the preferred audio, subtitle and text language.

- [Display Settings]: Set the preferred subtitle type.

Play games

Add a game console

You can play games consoles projected on a wide screen TV with excellent sound. Before you start, connect your game console to this TV. See [Connect your TV > Connect devices > Game console \(Page 32\)](#).

Game settings

Optimises the TV display for gaming without picture lag.

1. Press MENU.
2. Select [Picture], then press OK.
3. Select [Viewing Mode] > [Game], then press OK.

The TV is ready for gaming.

Note: When your gaming session ends, switch back to your usual Viewing Mode setting.

View Text

Select a page

While you watch channels that broadcast text, you can view the text.

1. Select a channel that broadcasts text, then press TELETXT.
2. Select a page in one of the following ways:
 - Enter the page number with the Numeric buttons.
 - Press CH ∇ / \wedge to view the next or previous page.
 - Press the Colour buttons to select a colour coded item.
3. Press EXIT to exit.

Text language

For digital TV channels where the broadcasters provide different text languages, you can select your preferred primary and secondary language.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Language] > [Preferred Teletext].
4. Select a language.

Subpages

If the text page contains several subpages, you can view each subpage in succession. These subpages are shown on a bar next to the main page number.

Press SUBPAGE, then press ◀ or ▶ to select an item.

Digital text

If a digital TV channel's broadcaster offers dedicated digital text or interactive services, you can view digital text. Such channels may have digital text with more interactive features.

Note: Digital text services are blocked when subtitles are broadcast and switched on. See [Set up your TV > Language settings > Subtitle language \(Page 25\)](#).

When in digital text:

- Press the Navigation buttons to select or highlight items.
- Press the Colour buttons to select an option, then press OK to confirm or activate.

Set locks and timers

Clock

You can display a clock on the TV. The clock displays the time that is broadcast by your TV service operator.

Display the TV clock

1. While you watch TV, press INFO. The clock is displayed at the top right-hand corner of the TV screen.

Change the clock mode (for Australia only)

You can change the clock mode to automatic or manual. By default, it is set to automatic mode, which automatically synchronises it to Coordinated Universal Time (UTC). If your TV cannot receive UTC transmissions, set the clock manually.

1. While you watch TV, press MENU.
2. Select [Setup], then press OK.
3. Select [Other Settings] > [Time Zone].
4. Select [Auto] or select the time zone based on GMT.

Sleep timer

You can switch the TV to standby after a specified time.

1. Press MENU.
2. Select [Timer], then press OK.
3. Select [Off Timer], then select the sleep timer duration.

After the specified time, the TV switches to standby.

Tip: The sleep timer can be set up to 90 minutes. To switch off the sleep timer, select [Off].

Auto standby

Auto switch off: To conserve energy, set the TV to switch off automatically after a period of inactivity.

1. Press MENU.
2. Select [Timer], then press OK.
3. Select [Auto Standby], then select the period of time.

Child lock

To protect children from unsuitable TV programmes, you can lock the TV or block age rated programmes.

Set or change the child lock code

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Child Lock], then press OK.
4. Enter the code with the Numeric buttons.

If you access the child lock menu for the first time, enter '0000'.

5. Select [Change PIN].
6. Enter the child lock code with the Numeric buttons.

Tip: If you forget your code, enter '5351' to override any existing codes. Make sure that the Contrast, Brightness, Colour and Sharpness values in the picture setting are set to 100.

Lock or unlock channels

You can block specific channels.

1. In the child lock menu, select [Channel Block].
2. Select the channels to lock or unlock, then press OK.

Lock or unlock the TV or the connected devices

You can lock the TV or the devices connected to the TV.

1. In the child lock menu, select [Input Block].
2. Select the input devices to lock or unlock, then press OK.

Parental rating

You can set your TV to display only programmes with age ratings lower than your child's age. This restriction only applies to digital channels from broadcasters that rate their programmes according to age.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Child Lock], then press OK.
4. Enter the child lock code with the Numeric buttons.
5. Select [Parental Rating], then select an age rating.

All programmes above the selected age rating are blocked.

For information on child lock codes, see Use more of your TV > Set locks and timers > Child lock (Page 19).

Clear child lock settings

You can clear the child lock settings all at once.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Child Lock], then press OK.

4. Enter the child lock code with the Numeric buttons.

5. Select [Clear All], then press OK.

6. Follow the onscreen instructions to confirm.

Use HDMI control

What you can do

You can get the most out of your HDMI-CEC-compliant devices with HDMI control enhanced control features. Connect your HDMI-CEC compliant devices through HDMI to your TV and control them at the same time with your TV remote control.


Note: Other brands describe HDMI-CEC functionality differently. Some examples are Anynet (Samsung), Aquos Link (Sharp) or BRAVIA Sync (Sony). Not all brands are fully compatible with Philips TV.

After you switch on HDMI control, the following features are available:

One-touch play

When you play an HDMI-CEC compliant device, the TV switches on from standby and switches to the correct source.

One-touch standby

When you press  on the TV remote control, the TV and all HDMI-CEC compliant devices switch to standby mode.

What you need

- Connect an HDMI-CEC compliant device to the TV. You can connect more than one HDMI-CEC device. See Connect your TV > Connect devices (Page 28).

- Configure each HDMI-CEC compliant device properly.
- Switch on HDMI control.

Note: If an HDMI Audio Return Channel (HDMI ARC) compliant device is connected to the HDMI ARC connector on the TV, you can output TV audio through an HDMI cable. Additional audio cables are not required. See [Connect your TV > About cables > HDMI \(Page 27\)](#).

Switch on HDMI control

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [HDMI Control] > [On].

4 Set up your TV

Picture and sound

More picture settings

You can change the settings in the Picture menu.

1. While you watch TV, press MENU.
2. Select [Picture], then press OK.
3. Select a setting to change or adjust.
 - [Viewing Mode]: Access predefined picture settings.
 - [Back Light]: Adjust the brightness of the display back light.
 - [Contrast]: Adjust the intensity of the bright areas, keeping dark areas unchanged.
 - [Brightness]: Adjust screen brightness.
 - [Colour]: Adjust the colour saturation of the picture.
 - [Sharpness]: Adjust sharpness, especially on lines and contours in the picture.
 - [Tint]: Adjust tint.
 - [Colour Balance]: Adjust the overall colour balance.
 - [P-NR]: (Picture Noise Reduction) Select the amount of noise reduction for the picture.
 - [3D-COMB]: Make still or slow moving pictures look more vivid.
 - [Screen Display]: Turn off the screen when listening to the sound without watching the TV to reduce power consumption. Press any buttons to turn on the screen.
 - [H.Position]: Adjust the horizontal position of the picture. For HDMI (DVI) only.

- [V.Position]: Adjust the vertical position of the picture. For HDMI (DVI) only.

- [Advanced Settings]: Access advanced settings to enhance the picture quality.
 - [16:9 Overscan]: Select the screen display area.
 - [Adaptive Brightness]: Enrich the colours and the depth of the picture.
 - [Dynamic Back Light]: Adjust the brightness of the TV screen to match the lighting conditions of the room.
 - [DVI Input Settings]: Adjust the black level in the picture. For HDMI connector with DVI input signal only.
 - [3:2 Pulldown]: Detect a film-based source (originally encoded at 24 frames/second), analyse it then recreate each file frame for high-definition picture quality. For the input resolution of 576i, 480i and 1080i only.
- [MPX]: Select multiplex sound mode (if available). For analogue audio only.
- [SPDIF Selection]: Select audio output through the digital audio connector. Select [PCM] to convert non-PCM audio or [Auto] to output to home theatre.
- [SPDIF Delay]: Select the setting for audio output delay to synchronise the audio and video.
- [HDMI 1 Input]: Select [Digital] to input audio signal from HDMI connector, or select [Analogue] to input audio signal from 3.5mm AUDIO IN.

[Audio Description]: Some digital TV broadcasters provide special audio and subtitle features for people who are hearing or visually impaired.

- [Normal]: Set regular audio only.
- [Hard of hearing]: Set the mix of hearing impaired audio with regular audio.
- [Visually Impaired]: Set the mix of visually impaired audio with regular audio.
- [Volume]: Adjust the volume of visually impaired audio.

More sound settings

You can change the settings in the Sound menu.

1. While you watch TV, press MENU.
2. Select [Sound], then press OK.
3. Select a setting to change or adjust.

- [Mode]: Access predefined sound settings.
- [Bass]: Adjust the bass level of the speaker and headphones
- [Treble]: Adjust the treble level of the speaker and headphones.
- [Balance]: Adjust the volume of the left and right speakers.
- [Headphone Volume]: Adjust headphone volume.
- [Surround]: Switch on spatial sound.

Channel settings

Automatic install

When the TV was switched on for the first time, a full installation of channels was performed. To reinstall all available TV channels, you can run this full installation again.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Channels] > [Auto Scan], then press OK to start channel search.

Tip: Press OK to see the channel list.

Check RF signal

You can scan RF channels and check the signal condition.

1. Press MENU.
2. Select [Setup], then press OK .
3. Select [Channels] > [Single RF Scan].
4. Select [Signal Strength] or [Signal Quality].

Install analogue channels

You can search and store analogue TV channels one by one.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Channels] > [Analogue Manual Scan].
4. Select [Scan Up] or [Scan Down], then press OK.
5. Once the channel update is complete, press EXIT to exit.

Note: If the reception is poor, reposition your antenna and repeat the procedure.

Fine-tune analogue channels

If the reception of an analogue TV channel is poor, you can fine-tune the TV channel.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Channels] > [Fine Tuning], then press OK.
4. Select a channel, then press OK.
5. Press ◀ or ▶ to fine-tune the channel, then press OK to confirm.

Update channel list

When the TV was switched on for the first time, a full installation of channels was performed.

When there are changes to these channel lists, the TV updates them automatically without erasing the original information.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Channels] > [Update Channel List], then press OK.
4. Once the channel update is complete, press EXIT to exit.

Language settings

Audio language

If the TV channel broadcasts multiple or dual audio languages, you can select your preferred audio language. The TV automatically switches to one of these languages, if they are available.

1. While you watch TV, press MENU.
2. Select [Setup], then press OK.
3. Select [Language] > [Preferred Audio 1] or [Preferred Audio 2].
4. Select your preferred language.

Subtitle language

For certain digital channels, you can change the subtitle language.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Language] > [Preferred Subtitle 1] or [Preferred Subtitle 2].
4. Select your preferred language.

Subtitle type

Select the preferred subtitle type.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Display Settings] > [Preferred Subtitle Type].
4. Select [Standard] for preset subtitles or [Hearing Impaired] for providing aids in understanding and enjoyment with DVB subtitles (depending on the broadcaster).

Other settings

Power saving

Reduce brightness of picture to save the power consumption.

1. While you watch TV, press MENU.
2. Select [Setup], then press OK.
3. Select [Other Settings] > [Power Save].
4. Select [On] or [Off].

Location

To make sure that the correct TV settings are applied, you can select where the TV is used.

Shop or home mode

Select [Home] mode to access all TV settings. In [Shop] mode, you can access only limited settings. Set the correct location at the initial setup wizard.

Country region (for Australia only)

Select the correct region to adjust the standard time.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [Other Settings] > [Country Region].
4. Select the correct region.

Update software

Check version

1. While you watch TV, press MENU.
2. Select [Setup] > [System Menu] > [System Information], then press OK.

The current software version is displayed.

Caution: Do not install a lower version of software than the current version installed on your product. TP Vision cannot be held liable or be made responsible for problems caused by a software downgrade.

Update the software through one of these methods:

- update new software automatically

- update new software manually by air
-

Update automatically

When available, the TV can receive software updates through digital broadcasts. When a software update is received, you are prompted to update the software.

1. Press MENU.
 2. Select [Setup], then press OK.
 3. Select [System Menu] > [OAD] > [On].
 4. Select a setting.
 - [Auto Download]: TV downloading the new software upon broadcasting.
 - [Auto Install]: Install new software automatically.
-

Update manually by air

1. Press MENU.
 2. Select [Setup], then press OK.
 3. Select [System Menu] > [OAD] > [On].
 4. Select [Manual OAD], then press OK.
 5. Follow the onscreen instructions.
-

Restore default settings

You can reset all picture and sound settings and reinstall all TV channels on your TV.

1. Press MENU.
2. Select [Setup], then press OK.
3. Select [System Menu] > [Shipping Condition], then press OK.
4. Follow the onscreen instructions to start the full installation.

5 Connect your TV

About cables

Cable quality

Overview

Before you connect devices to the TV, check the available connectors on the device. Connect the device to the TV with the highest quality connection available. Good quality connectors transfer picture and sound better.

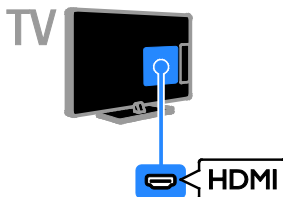
The connections shown in this user manual are recommendations only. Other solutions are possible.

HDMI

An HDMI connection has the best picture and sound quality.

- An HDMI cable combines video and audio signals. Connect HDMI for high-definition (HD) TV signals, and to switch on HDMI control.
- An HDMI Audio Return Channel (ARC) connector allows output of TV audio to an HDMI ARC compliant device.

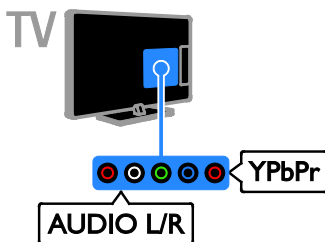
- Connect HDMI cables shorter than 5 meters/16.4 feet.



Y Pb Pr

Component video (Y Pb Pr) only transmits video. For sound, also connect to Audio Left/Right.

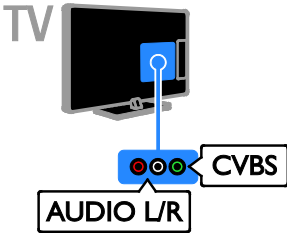
- The Y Pb Pr connection can handle high-definition (HD) TV signals.
- Match the Y Pb Pr connector colours to the cable plugs.



CVBS

CVBS only transmits video. For sound, also connect to Audio Left/Right.

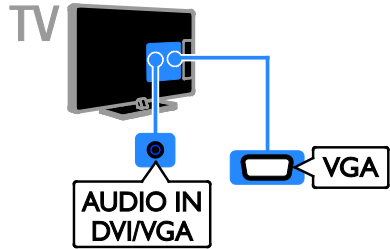
- CVBS connections provide standard picture quality.



VGA

You can connect VGA to display PC content on the TV.

VGA only transmits video. For sound, also connect to AUDIO IN.



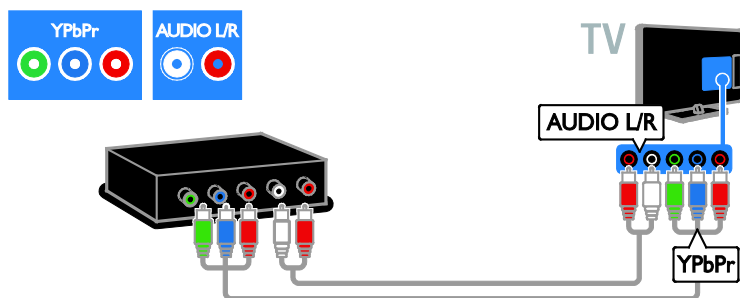
Connect devices

Blu-ray or DVD disc player

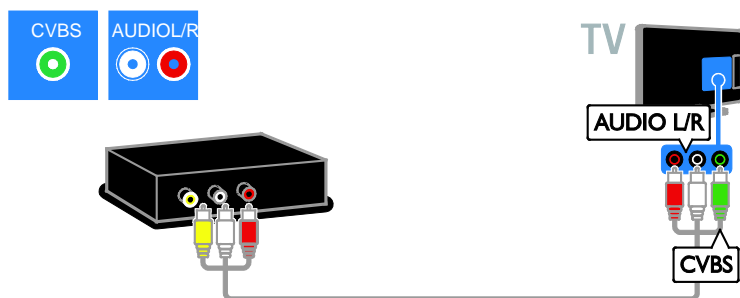
Connect the disc player to the TV with an HDMI cable.



Connect the disc player to the TV with a component video cable (Y Pb Pr) and an audio L/R cable.

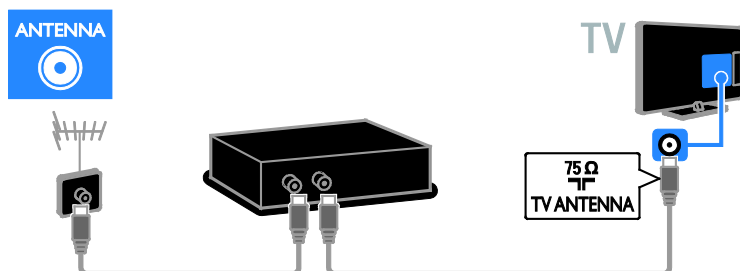


Connect the disc player to the TV with a composite cable (CVBS) and an audio L/R cable.



TV receiver

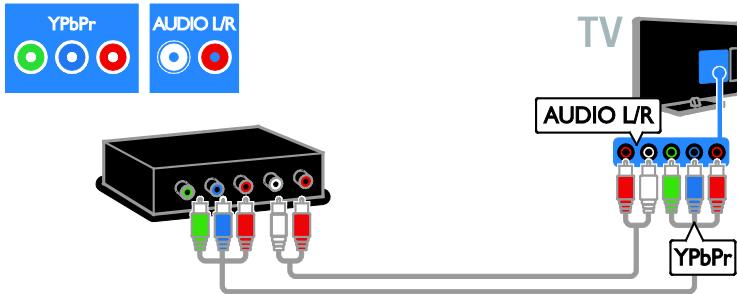
Connect the digital TV receiver with an antenna cable to the TV.



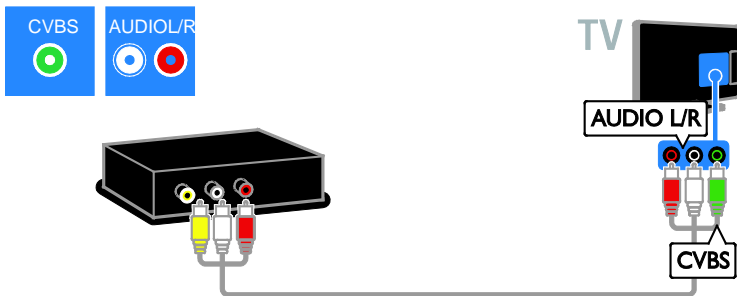
Connect the digital TV receiver to the TV with an HDMI cable.



Connect the digital TV receiver to the TV with a component video cable (Y Pb Pr) and an audio L/R cable.

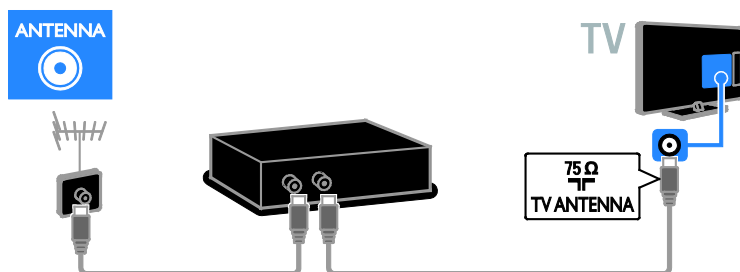


Connect the digital TV receiver to the TV with a composite cable (CVBS) and an audio L/R cable.

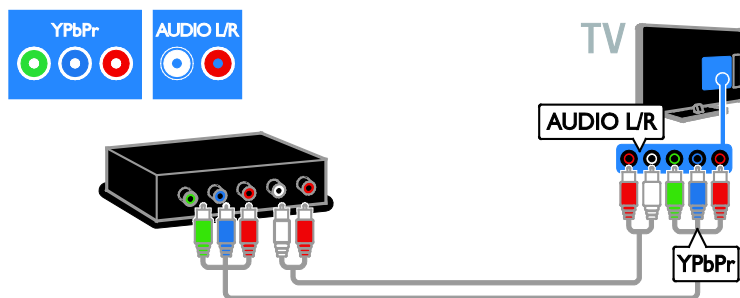


Video recorder

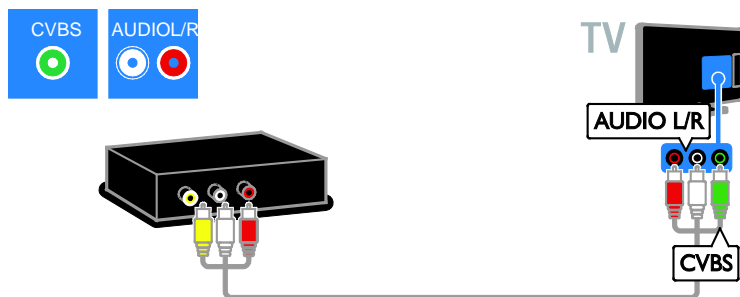
Connect the recorder to the TV with an antenna cable.



Connect the recorder to the TV with a component video cable (Y Pb Pr) and an audio L/R cable.



Connect the recorder to the TV with a composite cable (CVBS) and an audio L/R cable.

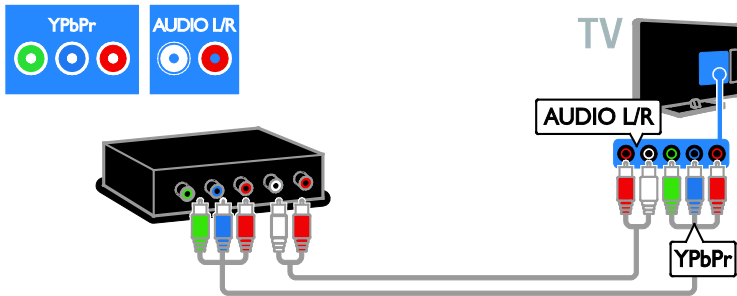


Game console

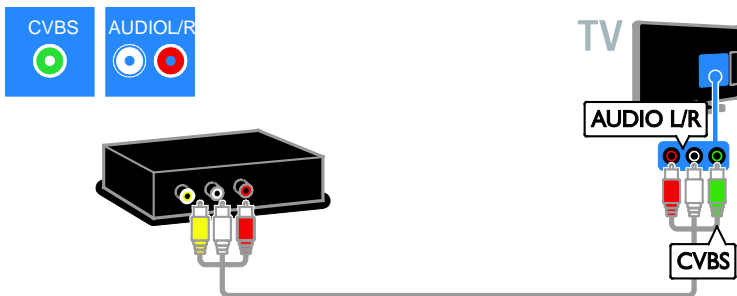
Connect the game console to the TV with an HDMI cable.



Connect the game console to the TV with a component video cable (Y Pb Pr) and an audio L/R cable.

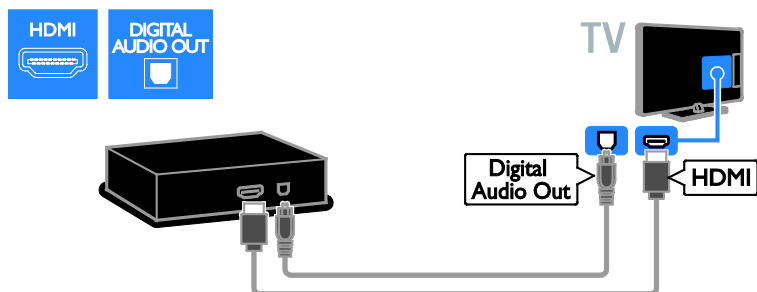


Connect the game console to the TV with a composite cable (CVBS) and an audio L/R cable.

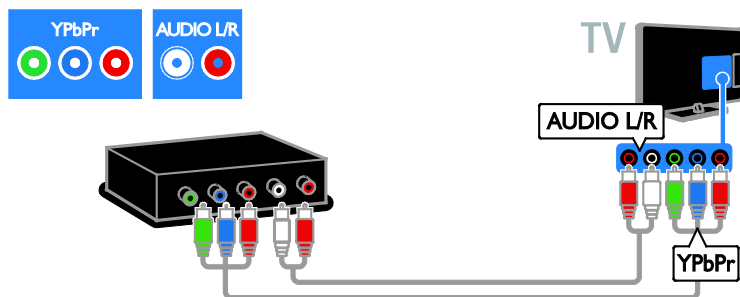


Home theatre

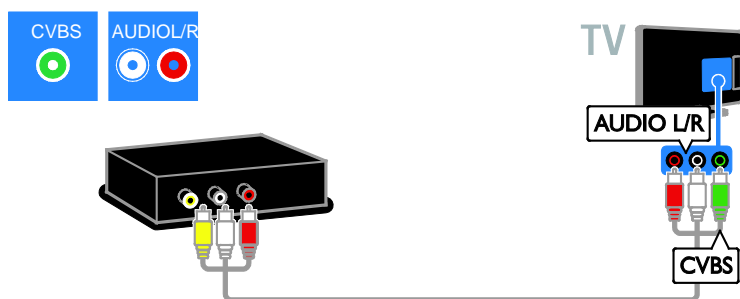
Connect the home theatre to the TV with an HDMI cable and a coaxial audio cable.



Connect the home theatre to the TV with a component video cable (Y Pb Pr) and an audio L/R cable.

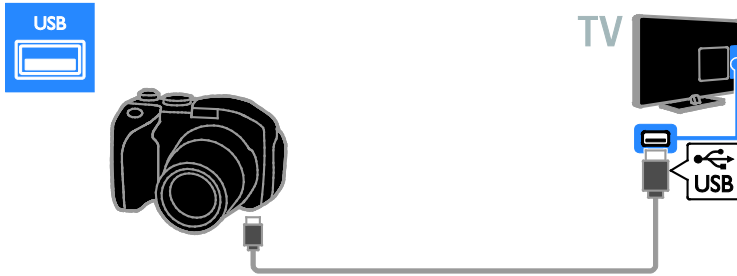


Connect the home theatre to the TV with a composite cable (CVBS) and an audio L/R cable.



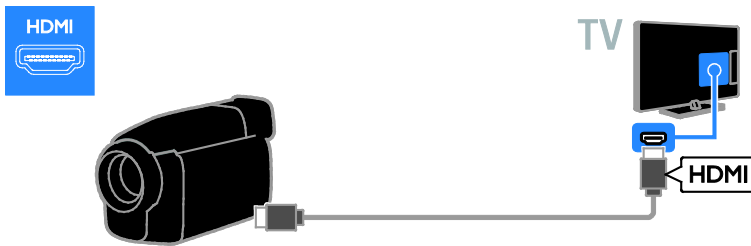
Digital camera

Connect the digital camera to the TV with a USB cable. (For certain camera models only)

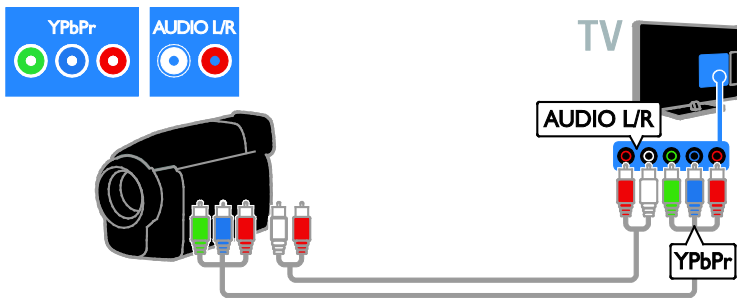


Digital camcorder

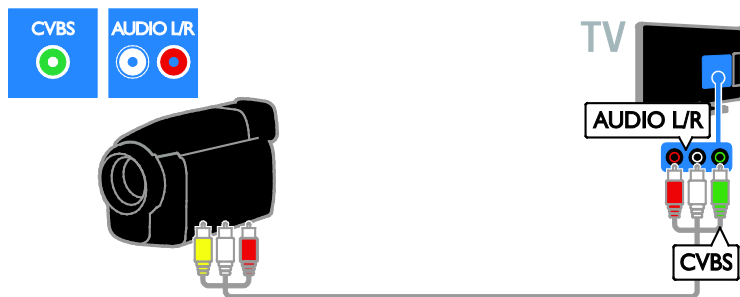
Connect the digital camcorder to the TV with an HDMI cable.



Connect the digital camcorder to the TV with a component video cable (Y Pb Pr) and an audio L/R cable.



Connect the digital camcorder to the TV with a composite cable (CVBS) and an audio L/R cable.



Connect more devices

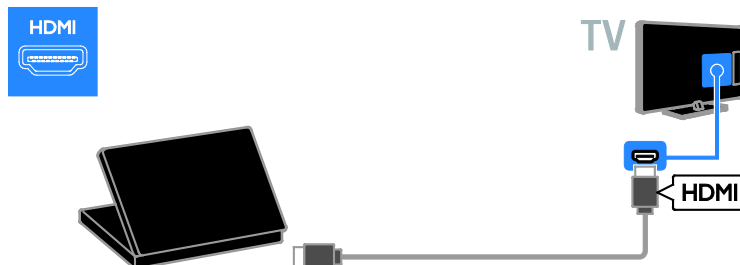
USB hard drive

Connect the USB hard drive to the TV with a USB cable.

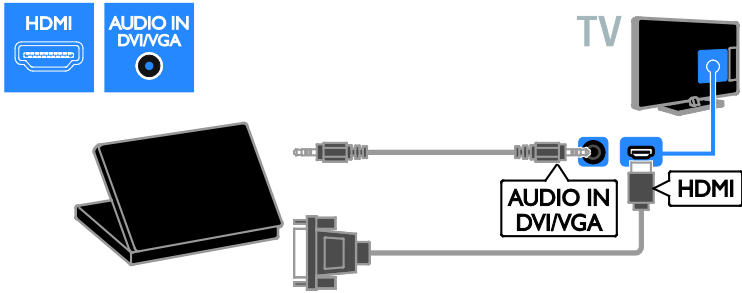


Computer

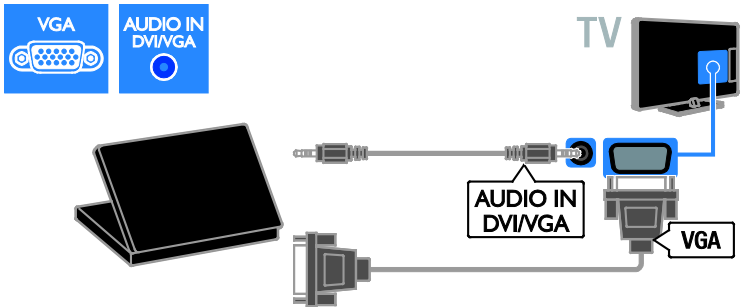
Connect the computer to the TV with an HDMI cable.



Connect the computer to the TV with a DVI-HDMI cable and an audio cable.

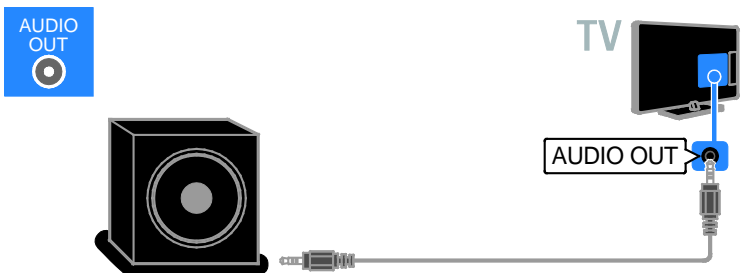


Connect the computer to the TV with a VGA cable and an audio cable.



External speakers

Connect the 2W external speakers (sold separately) to the 8 ohm AUDIO OUT connector on the TV with an audio cable. (8 ohm AUDIO OUT connector is available on certain models only)



Watch connected devices

Select the connector that connects the device to the TV.

1. Press AV.
2. Select a connector in the list, then press OK.

6 Troubleshooting

General issues

The TV does not switch on:

- Disconnect the power cable from the power outlet. Wait for one minute then reconnect it.
- Make sure that the power cable is securely connected.

The TV does not respond to remote control or front controls when switched on:


The TV requires some time to start up. During this time, the TV does not respond to the remote control or front controls. This is normal behaviour.

When you are turning the TV on, off or to standby, you hear a creaking sound from the TV chassis:

No action is required. The creaking sound is due to the normal expansion and contraction of the TV as it cools and warms up. This does not affect performance.

When the TV is in standby, a startup splash screen is displayed, then returns to standby mode:

This is normal behaviour. When the TV is disconnected and reconnected to the power supply, the startup screen is displayed at the next startup.

To switch on the TV from standby, press  on the remote control or press any key on the TV.

The standby light on the TV blinks red:

Disconnect the power cable from the power outlet. Wait until the TV cools down before you reconnect the power cable. If the blinking reoccurs, contact Philips Consumer Care.

You forgot the 4-digit code to unlock the channel blocking feature (child lock):

- Enter '5351'.
- If access denied, press MENU and select [Picture]. Then set the values of Contract, Brightness, Colour and Sharpness to 100.

You want to upgrade your TV software:

Full instructions on how to upgrade your TV software are also available at [Set up your TV > Update software](#) (Page 25).

Channel issues

You want to install TV channels:

See [Set up your TV > Channel settings](#) (Page 23) for instructions on installing analogue or digital channels.

No digital channels were found during the installation:

- See the technical specifications to make sure that your TV supports DVB-T or DVB-C in your country.
- Make sure that all cables are properly connected and that the correct network is selected.

Previously installed channels do not appear in the channel list:

Make sure that the correct channel list is selected.

You want to rearrange or reorder the channel list:

After channels have been installed, they appear in the channel list. For information about managing channel lists, including rearranging channels, see [Use your TV > Watch TV > Manage channel lists](#) (Page 13).

Picture issues

The TV is on, but there is no picture or the picture is distorted:

- Make sure that the antenna is properly connected to the TV.
- Make sure that the correct device is selected as the display source.
- Make sure that the external device or source is properly connected.

There is sound but no picture:

Make sure that the picture settings are set correctly.

There is poor TV reception from an antenna connection:

- Make sure that the antenna is properly connected to the TV.
- Loud speakers, unearthed audio devices, neon lights, high buildings and other large objects can influence reception quality. If possible, try to improve the reception quality by changing the antenna direction or moving devices away from the TV.
- If reception on only one channel is poor, fine-tune this channel.

There is poor picture quality from connected devices:

- Make sure that the devices are connected properly.

- Make sure that the picture settings are set correctly.

The TV did not save your picture settings:

Make sure that the TV location is set to Home. You can change and save settings in this mode.

The picture does not fit the screen; it is too big or too small:

Change the picture format.

The picture format keeps changing with different channels:

Instead of the picture format [Just], select a different picture format.

The picture position is incorrect:

Picture signals from some devices may not fit the screen correctly.

Check the signal output of the device.

The computer display on the TV is not stable:

Make sure that your PC uses the supported resolution and refresh rate. See [Product specifications > Display resolutions](#) (Page 42).

Sound issues

There is a picture but sound quality is poor:

If no audio signal is detected, the TV automatically switches the audio output off — this does not indicate malfunction.

- Make sure that all cables are properly connected.
- Make sure that the volume is not muted or set to zero.
- Make sure that the TV audio output is connected to the audio input on the HDMI-CEC enabled home theatre device. Sound should be heard from the home theatre speakers.

- Some devices may require you to manually enable HDMI audio output. If HDMI audio is already enabled but you still cannot hear audio, try changing the digital audio format of the device to PCM ('Pulse Code Modulation'). Refer to the documentation accompanying your device for instructions.

There is a picture but the sound quality is poor:

Make sure that the sound settings are correctly set.

There is a picture but sound comes from one speaker only:

Make sure that sound balance is set to the centre.

Connection issues

There are problems with HDMI devices:

- Note that HDCP (High-bandwidth Digital Content Protection) support can delay the time taken for a TV to display content from an HDMI device.
- If the TV does not recognise the HDMI device and no picture is displayed, switch the source from one device to another and back again.
- If there are intermittent sound disruptions, make sure that output settings from the HDMI device are correct.
- If you use an HDMI-to-DVI adapter or HDMI to DVI cable, make sure that an additional audio cable is connected to AUDIO L/R or AUDIO IN (mini-jack only).

You cannot use HDMI control features:

Make sure that your HDMI devices are HDMI-CEC compatible. HDMI control features only work with devices that are HDMI-CEC compatible.

If an HDMI-CEC compliant audio device is connected to the TV and the TV does not display any mute or volume icon when the volume is muted, increased or decreased: When a HDMI-CEC audio device is connected this behaviour is normal.

USB device content is not displayed:

- Make sure that the USB storage device is set to Mass Storage Class compliant, as described in the storage device's documentation.
- Make sure that the USB storage device is compatible with the TV.
- Make sure that the audio and picture file formats are supported by the TV.

Audio and picture files on your USB storage device do not play or display smoothly:

The transfer performance of the USB storage device may limit the data transfer rate to the TV which causes poor playback.

Contact Philips

Warning: Do not attempt to repair the TV yourself. This may cause severe injury, irreparable damage to your TV or void your warranty.

If you are not able to resolve your problem, refer to the frequently asked questions (FAQs) for this TV at www.philips.com/support. You can also consult and contribute to the Philips TV community at www.supportforum.philips.com.

If you wish to speak to or email a Philips representative, contact the Philips Consumer Care in your country. You can find the contact details in the leaflet accompanying this TV or at www.philips.com/support.

Note your TV model and serial number before you contact Philips. These numbers are printed on the back of the TV and on the packaging.

7 Product specifications

Power and reception

Product specifications are subject to change without notice.

Power

- Mains power: AC 220-240 V~, 50-60 Hz
- Standby power consumption: < 0.5 W
- Ambient temperature: 5 to 40 degrees Celsius
- For power consumption, see the product specifications at www.philips.com/support.

Reception

- Antenna input: 75 ohm coaxial (IEC75)
- TV system: DVB COFDM 2K/8 K
- Video playback: NTSC, PAL, SECAM
- Digital TV: PAL B/G
- Tuner bands: VHF, UHF

Display and sound

Picture/Display

- Display type: edge LCD/LED backlight
- Diagonal size:
 - 56 cm / 22 inch
 - 66 cm / 26 inch
 - 81 cm/32 inch
 - 107 cm/42 inch
- Aspect ratio: 16:9 (widescreen)
- Panel resolution:
 - For HD models: 1366 X 768 p
 - For FHD models: 1920 X 1080 p

Sound

- Output power (RMS):
 - For 22": 3 W
 - For 26": 3 W
 - For 32": 5 W
 - For 42": 8 W
 - Incredible Surround
 - Treble/Bass
 - Music/Speech
-

Display resolutions

Computer formats - HDMI
(Resolution - refresh rate)

640 x 480 - 60 Hz
800 x 600 - 60 Hz
1024 x 768 - 60 Hz
1280 x 768 - 60 Hz
1280 x 1024 - 60 Hz
1360 x 768 - 60 Hz

For Full HD TV only:

1680 x 1050 - 60 Hz
1920 x 1080 - 60 Hz

Computer formats - VGA
(Resolution - refresh rate)

640 x 480 - 60 Hz
800 x 600 - 60 Hz
1024 x 768 - 60 Hz
1280 x 1024 - 60 Hz
1360 x 768 - 60 Hz

For Full HD TV only:

1920 x 1080 - 60 Hz

Video formats

(Resolution - refresh rate)

480i - 60 Hz
480p - 60 Hz
576i - 50 Hz
576p - 50 Hz
720p - 50Hz, 60 Hz
1080i - 50Hz, 60 Hz
1080p - 24Hz, 25Hz, 30Hz, 50Hz, 60 Hz

Multimedia

Supported multimedia connections

- USB: Connect only USB devices which consume 500mA of power or less.
 - FAT 16 (Read only)
 - FAT 32

Supported image files

JPEG (*.jpeg)

Image resolution (pixels):

- Baseline: 4x4 to 17000 x 10000
- Progressive: 4x4 to 4000 x 4000

DCF* and EXIF** standards

Sub-sampling: 4:4:4, 4:2:2, 4:2:0

* : Design rule for Camera File system - unified standard established by Japan Electronics and Information Technology Industries Association (JEITA).

** : Exchangeable Image File - image file format used by digital cameras.

Supported audio files

MP3 (*.mp3)

Note:

- This TV also supports Dolby Digital Plus.
- Some files may not be played back even if they fulfil these conditions.
- Do not use double-byte characters or other special codes for data.
- The USB may become unusable with this TV if the file or folder names are changed.

Connectivity

Rear

- AUDIO OUT: 8 ohm Audio Out*
- VGA: PC input

- AUDIO IN: DVI/VGA (stereo 3.5mm mini-jack)
- Composite and Audio: CVBS/VIDEO, Audio L/R
- Component and Audio: CVBS/Y Pb Pr, Audio L/R
- SPDIF OUT: Cinch
- 22"/26" TV: HDMI 1 / 2
- 32"/42" TV: HDMI 1 / 2 / 3
- Antenna: 75 ohm coaxial

Side

- USB
- Headphones: stereo 3.5mm mini-jack
- Composite and Audio: CVBS/VIDEO Audio L/R

HDMI features

- Audio Return Channel (HDMI 1 only)

Supported TV mounts

You can mount your TV on the wall with a compatible TV mount (sold separately)*. Select the type of TV mount for your TV screen size:

56 cm / 22 inches: 75mm x 75mm, M4

66 cm / 26 inches: 100 mm x 100 mm, M4

81 cm / 32 inches: 200mm x 200mm, M4

107 cm / 42 inches: 400mm x 400mm, M6

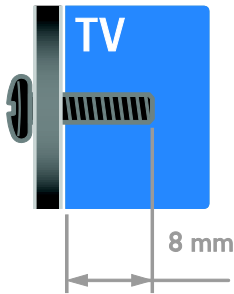
Warning: Follow all instructions provided with the TV mount. TP Vision Netherlands B.V. bears no responsibility for improper TV mounting that results in accident, injury or damage.

To prevent damage to cables and connectors, leave a gap of at least 5.5 cm / 2.2 inches from the back of the TV.

For 22 inch TVs:

Before you mount the TV on the wall, find the correct length of the screw.

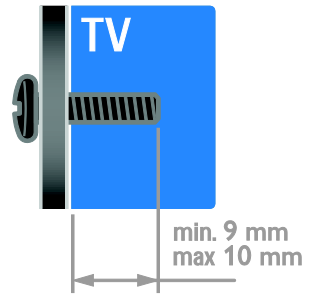
To find the length of screw, add the thickness of your wall mount to the screw length, as shown in the graphic.



For 26 inch TVs:

Before you mount the TV on the wall, find the correct length of the screw.

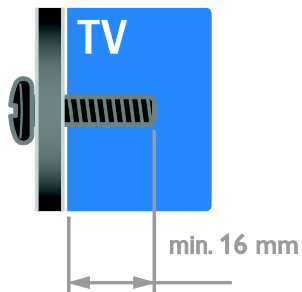
To find the length of screw, add the thickness of your wall mount to the screw length, as shown in the graphic.



For 32 inch TVs:

Before you mount the TV on the wall, find the correct length of the screw.

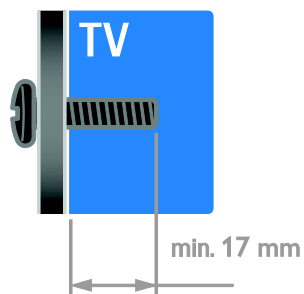
To find the length of screw, add the thickness of your wall mount to the screw length, as shown in the graphic.



For 42 inch TVs:

Before you mount the TV on the wall, find the correct length of the screw.

To find the length of screw, add the thickness of your wall mount to the screw length, as shown in the graphic.



Help version

UMv 311710124001

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